

rinato™ deck boards

without compromise

Board comparison

Test	Rinato™ Natural		Rinato™ Victoria		Rinato™ Classic	
	Test method	Value	Test method	Value	Test method	Value
Slip resistance	EN 15534-1	Wet value: 50	BS 7976-2: 2002 + A1:2013	Dry value: 52 Wet value: 37 <i>Groove Option Only</i>	BS 7976-2: 2002 + A1:2013	Dry value: 52 Wet value: 37 <i>Groove side only</i>
Reaction to fire	EN ISO 11925	Bfl-s1	EN 13501-1:2007+A1:2009	Cfl-S1, d0	EN 13501-1:2007+A1:2009	C -s1
Swelling	-	-	EN 15534-4:2014 Section 4.5.5	0.5% thickness 0.1% width 0.1% length	EN 15534-4:2014 Section 4.5.5	0.5% thickness 0.1% width 0.1% length
Water absorption	ISO62:2008	0.73%	EN 15534-1:2014 Section 8.3.1	0.5%	EN 15534-1:2014 Section 8.3.1	0.5%
Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7 EN 1534:2010	Brindell hardness: 79 MPa Rate of elastic recovery: 54%	EN 15534-4:2014 Section 4.5.7 EN 15534-4:2014 Section 4.5.7	Brindell hardness: 104 MPa Rate of elastic recovery: 74%	EN 15534-4:2014 Section 4.5.7 EN 15534-4:2014 Section 4.5.7	Brindell hardness: 104 MPa Rate of elastic recovery: 74%
Impact resistance	-	-	EN 15534-1:2014 Section 7.1.1	Charpy impact strength: 4.4 kJ/m ²	EN 15534-1:2014 Section 7.1.1	Charpy impact strength: 4.4 kJ/m ²
Flexural properties	-	-	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	2925.76 N	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	4189.42 N
Bending strength	ISO 527-1:201	19 MPa	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	21.50 MPa	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	26.81 MPa
Modulus of elasticity	-	-	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	1717.26 MPa	EN 15523-1:2014 Section 4.5.2 EN 15534-4:2014 Annex A	4088 MPa
Linear thermal expansion	-	-	ASTM D696-16	Mean value: 43.8 x10 ⁻⁶ /°C	-	-
Resistance to artificial weathering UV 2000 Hours	ISO 4892-2:2013 cycle 1	Exposure time 2000 Hrs Grey scale: 4-5	ASTM D7032-17 Section 4.6 ASTM G154-16 Cycle 1	Exposure time 2000 Hrs Grey scale: 3-4	ASTM D7032-17 Section 4.6 ASTM G154-16 Cycle 1	Exposure time 2000 Hrs Grey scale: 3-4
Freeze / thaw resistance	-	-	ASTM D7032-17 Section 4.7 ASTM D6109-10	MOR: 36.7 MPa Change -3.2% MOE: 4386 MPa Change 0.9%	ASTM D7032-17 Section 4.7 ASTM D6109-10	MOR: 36.7 MPa Change -3.2% MOE: 4386 MPa Change 0.9%
Density	ISO1183-1:2012	1.177g/cc	ASTM D792.13 Method A	Mean value: 1.35 g/cm ³	ASTM D792.13 Method A	Mean value: 1.35g/cm ³